3D Active Glasses

SSG-3570CR

User's Guide

Features

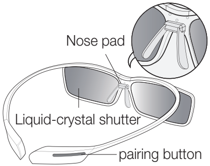
Samsung's SSG-3570CR 3D glasses enable you to view 3D images on your 3D TV.
The Samsung 3D glasses communicate with Samsung 3D TVs via the 2.4GHz RF band.

✎ This product can be used only with Samsung D, E, and F series 3D TVs released in 2011 to 2013 or with 3D TVs that have any of the logos below. Other wireless devices are not compatible with this product.

FULL HD 3D GLASSES RF IR or FULL HD 3D GLASSES RF

✎ The "Full HD 3D Glasses™" Logo signifies compatibility between display products and 3D Glasses that are compliant with the "Full HD 3D Glasses™" format and does not indicate the picture quality of the 3D images visible using the glasses, which depends on the quality of the display products.

Parts



Components

3D Active Glasses

User Guide

Cleaning cloth

Micro USB Cable

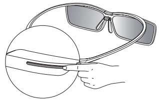
Nose pad

※ **To wear the 3D glasses over eyeglasses, detach the nose pad from the 3D glasses.**

※ **Refer to the last chapter in this user guide for details about how to attach or detach the nose pad.**

Pairing 3D Active Glasses

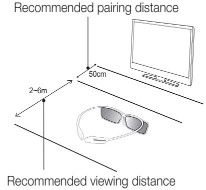
✎ **What is Pairing?** Pairing is a process that prepares devices to exchange data so that, in operation, the devices can transmit and exchange data instantly.



Pairing: **Press the pairing button on the 3D glasses for more than 1 seconds. Pairing will start.**

Turning the glasses on and off: Put on the 3D glasses. The glasses will automatically power on and the green LED will be lit for 3 seconds. To power off the glasses, take off the glasses. Several minutes later, the glasses will automatically power off and the red LED will be lit for 3 seconds. (Make sure that 3D is activated on the TV before using the 3D glasses.)

◆ **Operating range**



Recommended viewing distance	2~6m
Recommended pairing distance	50 cm

✎ Once the 3D glasses are paired, the remaining battery capacity is displayed on the TV screen. (This feature only applies to Samsung F series 3D TVs and 3D glasses that have been launched since 2013.)

✎ The working distance depends on obstacles (a person, metal, walls, etc.) or electromagnetic waves.

✎ Note that if you take off the 3D glasses while viewing 3D video and the 3D mode remains enabled on your TV, it will take 5 minutes for the 3D glasses to power off.

✎ If the glasses do not operate immediately when you put them on while the TV is in 3D mode, put the glasses on again.

✎ This product is rechargeable. It may not operate due to the dead battery when you attempt to use it for the first time. In this case, charge the battery.

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◆ **Pairing for the first time**

1. Turn on the TV and wait until the TV is fully on.
2. Press the pairing button on the 3D glasses shortly. The 3D glasses will power on and pairing will start.
3. The message “3D glasses are connected to TV.” will be displayed on the TV screen when the pairing is successfully completed.
4. Enjoy 3D video after configuring the 3D function settings on the TV.

✎ After the first pairing, putting on the 3D glasses will automatically power on the glasses. To power off, take off the glasses.

✎ If the pairing fails, the 3D glasses will power off.

✎ If the first attempt to pair fails, turn the TV off and on again, and then go to Step 2.

✎ The LED will blink green and red alternately for 1 seconds if pairing is in progress.

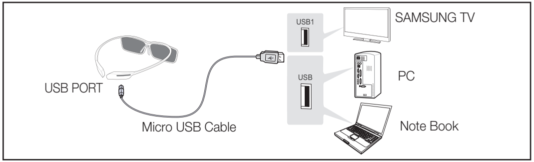
◆ **How to pair again:** Press the pairing button on the 3D glasses for more than 1 seconds.

<Pairing is needed again in the following occasions>

– Pairing may be needed again after you have had your 3D TV repaired.
– If you want to play 3D content on another Samsung 3D TV model that belongs to the D, E, or F series released in 2011 through 2013.

◆ **Charging the Battery**

If the red LED blinks every 2 seconds, charge the battery as shown below. The orange LED will blink every second when battery charging is in progress. The green LED will blink every 2 seconds when the charging is finished. (It takes about 30 minutes to fully charge the battery that is dead; however, the time required to charge it to full capacity may vary depending on the battery level and the voltage of the supplied power.)



◆ **Viewing guidelines**

- When viewing 3D video under a fluorescent lamp (50Hz – 60Hz) or 3-wavelength lamp, you may notice a small amount of screen flickering.
  ※ If so, dim the light or turn the lamp off.
- Switching the input mode while watching a 3D movie may disable the 3D function on the TV. As a result, the 3D glasses may not function and the movie may not be displayed properly.
- Ensure you are within the working range when you view a 3D video.
  ※ If you move the 3D glasses outside of their working range, the signal from the TV will be disconnected, and the 3D glasses will be automatically turned off. When this happens, the red LED will turn on for 3 seconds.

- The vividness of the image may appear degraded if you view 3D video in a place that is exposed to direct sunlight or illumination.
- If you lie on your side while watching TV with 3D glasses, the picture may look dark or may not be visible.
- The 3D effect may be experienced differently depending on the viewer. You may not notice the 3D effect at all if you have a prescription for one eye that is very different from the other eye.
- If a lens or any part of the 3D glasses is defective or damaged, the glasses cannot be repaired and should be exchanged. Broken 3D glasses can be exchanged for a new pair free of charge within the warranty period. Note that damage caused by the fault of the user is not covered by the warranty.
- The 3D glasses may not function properly if there are any nearby 3D products or electromagnetic devices (a microwave or a device that uses 2.4 GHz-bandwidth frequency such as an Internet router) turned on. If an unintended operation of the 3D function occurs, it is best to remove nearby electromagnetic devices or wireless communications devices.
- The 3D glasses may malfunction if there is any electric field or metallic object such as a steel plate nearby. If an unintended operation of the 3D glasses occurs, it is best to keep the glasses as far away as possible from the metallic object.
- The glasses may power off if you remain stationary while viewing 3D video for an extended period of time.
- If the 3D glasses do not function immediately after you put them on when the TV is in 3D mode, take them off and then put them back on.

CAUTION

IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D IMAGES. READ THE FOLLOWING CAUTIONS BEFORE YOU OR YOUR CHILD USE THE 3D FUNCTION.

- function. If your child shows any symptom such as eye fatigue, headache, dizziness, or nausea, stop the child from watching 3D video immediately to rest.
- Do not use the 3D glasses for other purposes such as general eyeglasses, sunglasses, protective goggles, etc.
- While watching 3D content, you may experience eye strain, headache, dizziness and nausea. If eye fatigue occurs, stop viewing 3D video immediately, take off the 3D glasses, and rest.
- Viewing 3D video for an extended period of time may cause eye fatigue. If eye fatigue occurs, stop viewing 3D video immediately, take off the 3D glasses, and rest.
- Do not use the 3D function or 3D glasses while walking or moving around. Using the 3D function or 3D Active Glasses while moving around may result in injury from running into objects, tripping, and/or falling.
- If you sleep with the 3D glasses on, the temples on the glasses may become broken.
- Note that the temples on your 3D glasses are not foldable. Trying to fold the temples by force may damage the glasses.
- Do not shake your 3D glasses repeatedly. Shaking the glasses will power them on and can cause the battery to discharge faster than it should.

SAFETY PRECAUTIONS

The following safety instructions are to ensure your personal safety and prevent property damage. Please read the following to ensure the proper use of the product.

- Do not place the product in a location exposed to direct sunlight, heat, fire or water. This may result in a product malfunction or fire.
- Do not apply force to the lenses of the 3D glasses. Do not drop or bend the product. This may result in a product malfunction.

- Keep components of the 3D glasses out of reach of children, and especially ensure children do not swallow one of the components. If your child swallowed a component, consult your doctor immediately.
- When cleaning the product, do not spray water or cleaner directly onto the surface of the product. Spraying water or cleaner directly onto the glasses may result in fire or electric shock, damage to the product's surface, or cause the indicator labels on the product's surface to come loose.
- Do not use chemicals containing alcohol, solvents, or surfactants, or chemicals such as wax, benzene, thinner,mosquito repellant, lubricant or cleaners. These may cause a discoloration of or cracks in the product surface and cause the indicator labels on the product's surface to come loose.
- Since the product surface and lens are easily scratched, make sure to use a clean soft cloth (the cleaning cloth supplied with the product, a cloth consisting of superfine fibers or cotton flannel) when cleaning to avoid scratching either the surface or the lens. As the product may become scratched if there are any foreign items on the cloth, make sure to shake off any dust before using it.
- Do not disassemble, or attempt to repair or modify your 3D active glasses by yourself.
- Be careful not to let the temple ends of the 3D active glasses harm your eye.
- Do not sleep with the 3D glasses on. The arms on the glasses may become broken.

Troubleshooting

If you encounter...	Try this...
My 3D glasses do not work.	➢ The 3D glasses should be close to the TV. Move the 3D glasses to within 6m (19.5 ft) of the TV. ➢ Try the paring again in order to check if it is completed. ➢ Check the 3D function settings on the TV. ➢ Take off the glasses and put them on again. The glasses may not be turned on if not properly worn.
The LED keeps blinking	➢ The battery is low. Charge the battery.

Specifications (Model Number: SSG-3570CR)

Optics	Shutters	Liquid crystal	Transmittance	37±2%
	Recommended viewing distance	2~6m (6 to 19.5 ft)	Field Rate	120 fields/ second
Weight	Glasses	29g (0.99 oz)		
Power	Glasses	Built-in 3.7V Lithium-polymer battery		
Power Consumption	Glasses	1.05mA		
	Battery	Type	65mAh, 3.7V	
		Operating time when On	40Hr	
Operating Conditions	Operating Temperature	50 °F ~ 104 °F (10°C ~ 40°C)		
	Custody Temperature	-4 °F ~ 113 °F (-20°C ~ 45°C)		

✎ Product specifications may be changed without notice in order to enhance product performance.

✎ The continuous operating time may differ depending on the wireless communication environment and usage conditions.

WARRANTY

This Samsung product is warranted for the period of twelve (12) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should first return the product to the retailer from whom it was purchased. However, Samsung Authorized Service Centres will comply with this warranty during the Warranty Period. To obtain details, please contact your nearest Authorized Service Centre.

PROCEDURE FOR MAKING A WARRANTY CLAIM

To make a claim under the warranty, you must contact the Samsung Contact Centre (see details above) during the Warranty Period to discuss the problems you are having with the product. If a repair or replacement is required, you will be provided with a Warranty Claim Number and address of an Authorised Service Centre.

If you are provided with a Warranty Claim Number, to obtain a repair or replacement of the product, you must send the product to the Authorised Service Centre advised together with:

- a copy of your completed warranty card or, if you have already provided this to Samsung, your name, address and contact telephone number;
- your original receipt, invoice or sales slip for the purchase of the product as new;
- your Warranty Claim Number.
- Samsung will then repair or replace the product and return it to you using the contact details provided.

WARRANTY CONDITIONS

1. The warranty is only valid if the above procedure for making a warranty claim is followed.
2. Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part.
3. Warranty repairs must be carried out by Samsung Authorised Service Centres. No re-imbursement will be made for repairs carried out by service centres or dealers that are not authorised by Samsung and any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any country other than the one for which the product was originally designed and manufactured. This warranty will not cover, and no re-imbursement will be made for such adaptation, nor any damage which may result.
5. The warranty does not apply to any product that has been damaged or rendered defective as a result of any of the following excluded reasons, namely:
   - as a result of accident, misuse, or abuse;
   - through the failure to use this product for its normal purposes;
   - by the use of parts not manufactured or sold by Samsung;
   - by modification without the written permission of Samsung;
   - by damage resulting from transit, neglect, power surge or failure;
   - by damage resulting from lightning, water, fire, or acts of God;
   - as a result of normal wear and tear; or
   - difference in broadcasting methods or product standards between countries.
6. This warranty is valid for any person who legally acquired possession of the product during the warranty period.
7. NOTHING IN THESE WARRANTY CONDITIONS SHALL EXCLUDE OR LIMIT SAMSUNG'S LIABILITY FOR DEATH OR PERSONAL INJURY CAUSED BY THE PROVEN NEGLIGENCE OF SAMSUNG, UNLESS SUCH LIMITATION OR EXCLUSION IS PERMITTED BY APPLICABLE LAW.
8. WITH THE EXCEPTION OF SAMSUNG'S LIABILITY WHICH CANNOT BE EXCLUDED OR LIMITED BY LAW, SAMSUNG SHALL NOT BE LIABLE FOR: ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES LOSSES OR EXPENSES; OR LOST PROFITS; OR LOSS OF USE OR LOSS OF DATA; OR DAMAGE TO GOODWILL, REPUTATION OR LOST BUSINESS, ARISING DIRECTLY OR INDIRECTLY, FROM THE PURCHASE, USE OR SALE OF THE PRODUCT, WHETHER OR NOT SAMSUNG WAS ADVISED OR AWARE OF THE POSSIBILITY OF SUCH DAMAGES, LOSSES OR EXPENSES.
9. WITH THE EXCEPTION OF SAMSUNG'S LIABILITY WHICH CANNOT BE EXCLUDED OR LIMITED BY LAW, SAMSUNG'S LIABILITY UNDER OR IN CONNECTION WITH THIS WARRANTY OR THE PURCHASE, USE OR SALE OF THE PRODUCT SHALL NOT EXCEED THE PRICE PAID FOR THE PRODUCT AS NEW.
10. UNLESS PROVIDED FOR IN THIS WARRANTY, ALL CONDITIONS, WARRANTIES AND TERMS IMPLIED BY STATUTE OR OTHERWISE ARE HEREBY EXCLUDED TO THE MAXIMUM EXTENT PERMISSIBLE BY LAW.
11. The above warranty conditions do not affect your statutory rights as a consumer or otherwise.

◆ NCC Taiwan

低功率電波輻射性電機管理辦法

第十二條　經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條　低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

◆ FCC COMPLIANCE

Federal Communication Commission Interference Statement

1) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2) NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio requency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modif cations not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

◆ IC Statement

This Class B digital apparatus complies with Canadian ICES-003.Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This equipment complies with IC RSS-102 radiateion exposure limits set forth for an unco ntrolled environment. Cet appareil numérique de la classe B est conforme á la norme NMB-003 du Canada.
This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Italian Homologation Notice
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Импортер в России:
ООО "Самсунг Электроникс Рус Компани"
125009, г. Москва, ул. Воздвиженка, д. 10

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